

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-282
Relating to Exemptions Under Section 27156
of the Vehicle Code

INSET, INC.
FUEL STABILIZER DEVICE

WHEREAS, Vehicle Code Section 27156 and Title 13 California Code of Regulations (hereafter "CCR") Section 2222(e), authorizes the California Air Resources Board (ARB) and its Executive Officer to exempt add-on and modified parts from the prohibitions of Vehicle Code Section 27156.

WHEREAS, INSET, Inc. has applied to the ARB for exemption from the prohibitions of Vehicle Code Section 27156 for the Fuel Stabilizer Device.

WHEREAS, pursuant to the authority vested in the Executive Officer by Health and Safety Code Section 39515, and in the Chief, Mobile Source Division by Health and Safety Code Section 39516 and Executive Order G-45-5, the Air Resources Board finds:

1. The Fuel Stabilizer is an add-on device that is attached to the fuel line in a motor vehicle.
2. The fuel line is part of the required motor vehicle pollution control system.
3. The Fuel Stabilizer is intended for use with a required pollution control system.
4. The Fuel Stabilizer by being installed on the fuel line alters the original design of a motor vehicle pollution control system.
5. The Fuel Stabilizer is a device subject to the prohibitions of Vehicle Code Section 27156 and an add-on part as defined by 13 CCR Section 1900(b)(1).
6. The Fuel Stabilizer does not reduce the effectiveness of any required motor vehicle pollution control device.
7. The ARB, in the exercise of technical judgement, is aware of no basis on which the Fuel Stabilizer will provide either a decrease in emission or an increase in fuel economy.
8. It has not been determined what effect use of the Fuel Stabilizer may have on any warranty, either expressed or implied, by the manufacturer of a motor vehicle on which the device is installed.

9. The Fuel Stabilizer is not a certified motor vehicle pollution control device pursuant to Health and Safety Code Section 43644.
10. The ARB by granting an exemption to INSET, Inc. for the Fuel Stabilizer does not recommend or endorse in any way the Fuel Stabilizer for emissions reduction, fuel economy, or any other purpose.

IT IS HEREBY RESOLVED that the Fuel Stabilizer Device is exempt from the prohibitions of Vehicle Code Section 27156 for installation on 1992 and earlier model-year vehicles with gasoline or diesel engines subject to the following conditions:

1. This exemption shall not apply to any device, apparatus, or mechanism advertised, offered for sale or sold with, or installed on, a motor vehicle prior to or concurrent with transfer to an ultimate purchaser.
2. No changes are permitted to the device as described in the application for exemption. Any changes to the device, applicable model year, or other factors addressed in this order must be evaluated and approved by the ARB prior to marketing in California.
3. Marketing of this device using an identification other than that shown in this Executive Order or marketing of this device for an application other than those listed in the Executive Order shall be prohibited unless prior approval is obtained from the ARB. Exemption of this product shall not be construed as an exemption to sell, offer for sale, or advertise any component of the product as an individual device.
4. Any oral or written references to this Executive Order or its content by the INSET, Inc., its principals, agents, employees, distributors, dealers, or other representatives must include the disclaimer that the Executive Order or the exemption it provides is not an endorsement or approval of any fuel economy or emissions reduction claims for the Fuel Stabilizer and is only a finding that the device is exempt from the prohibitions of Vehicle Code Section 27156.
5. No claim of any kind, such as "Approved by the Air Resources Board" may be made with respect to the action taken herein in any advertising or other oral or written communication.

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Violation of any of the above conditions shall be grounds for revocation of this order. The order may be revoked only after a ten-day written notice of intention to revoke the order, in which period the holder of the order may request in writing a hearing to contest the proposed revocation. If a hearing is requested, it shall be held within ten days of receipt of the request and the order may not be revoked until a determination after hearing that grounds for revocation exist.

Executed at El Monte, California, this 29th day of September, 1992.



R. B. Summerfield
Assistant Division Chief
Mobile Source Division

State of California
AIR RESOURCES BOARD

EVALUATION OF INSET INC.'S FUEL STABILIZER DEVICE
FOR EXEMPTION FROM THE PROHIBITIONS OF VEHICLE CODE SECTION
27156 IN ACCORDANCE WITH SECTION 2222, TITLE 13, OF THE
CALIFORNIA CODE OF REGULATIONS

September 1992

State of California
AIR RESOURCES BOARD

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by

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State of California
Air Resources Board
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(This report has been reviewed by the staff of the California Air Resources Board and approved for publication. Approval does not signify that the contents necessarily reflect the views and policies of the Air Resources Board, nor does mention of trade names or commercial products constitute endorsement or recommendation for use.)

SUMMARY

INSET, Incorporated of 9 Post Road, Oakland, New Jersey, 07436, has applied for exemption from the prohibitions in Section 27156 of the California Vehicle Code for the Fuel Stabilizer device. The device is designed for installation on 1992 and older model-year vehicles with gasoline or diesel engines.

Previously the Air Resources Board (ARB) exempted three similar devices; the "Top Eliminator" by Carbon Eliminator Systems, Inc., the "Moleculator Fuel Energizer" by Internal Energy Management Corp., and the "Fuel Enhancer/Catalytic Fuel Conditioner" by Coast Filtration, Inc. Based on the engineering evaluation of the Fuel Stabilizer device and exemptions issued for devices that operate in a manner similar to the Fuel Stabilizer, the staff believes that the Fuel Stabilizer will not have any adverse effects on the exhaust emissions from 1992 and older model year vehicles with Gasoline or Diesel engines.

The staff recommends that the Fuel Stabilizer device be exempted from the prohibitions in Vehicle Code Section 27156 and that Executive Order D-282 be issued.

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I. INTRODUCTION

INSET, Incorporated of 9 Post Road, Oakland, New Jersey, 07436, has applied for an exemption from the prohibitions of Vehicle Code Section (VC) 27156 for the Fuel Stabilizer device. The device is designed for installation on 1992 and older model-year vehicles with gasoline or diesel engines. The applicant submitted installation instructions and a sample of the device for our evaluation.

II. CONCLUSION

Previously, the Air Resources Board (ARB) exempted three similar devices; the "Top Eliminator" by Carbon Eliminator Systems, Inc., the "Moleculator Fuel Energizer" by Internal Energy Management Corp., and the "Fuel Enhancer/Catalytic Fuel Conditioner" by Coast Filtration, Inc. Based on the engineering evaluation of the device and the exemptions issued to other devices that operate in a manner similar to the Fuel Stabilizer, the staff has determined the Fuel Stabilizer will not have any adverse effects on the exhaust emissions from 1992 and older vehicles with gasoline or diesel engines.

III. RECOMMENDATION

The staff recommends that INSET, Incorporated be granted an exemption from the prohibitions in California Vehicle Code Section 27156 for the Fuel Stabilizer device and that Executive Order D-282 be issued.

IV. DEVICE DESCRIPTION

The Fuel Stabilizer consists of a steel tube with a corkscrew shaped steel piece running through it. Upon inspection of the sample provided by INSET, Inc., it was determined that the The Fuel Stabilizer is made entirely of stainless steel and is not magnetic. The installation instructions for the Fuel Stabilizer are included in Appendix A.

V. DISCUSSION

INSET, Incorporated claims that the Fuel Stabilizer, when installed on a vehicle's fuel line, aligns the fuel molecules with "Stabilization Energy." The manufacturer also claims this device improves fuel economy and reduces vehicle emissions. The ARB did not perform any testing on the device to substantiate the claims made by the manufacturer. However, it is the staff's opinion that the technical principles underlying the stated function of the device are not capable of producing any effects on emissions and fuel economy.

The ARB previously exempted three similar devices; the "Top Eliminator" by Carbon Eliminator Systems, Inc., the "Moleculator Fuel Energizer" by Internal Energy Management Corp., and the "Fuel Enhancer/Catalytic Fuel Conditioner" by Coast Filtration, Inc. Because of previous exemptions issued to similar devices with the same operating principle as the Fuel Stabilizer and the fact that qualifying for an exemption is based on not adversely affecting exhaust emissions, the staff recommends that INSET, Incorporated be granted an exemption as requested.

APPENDIX

INSET INDUSTRIES, INC

FUEL STABILIZER INSTALLATION INSTRUCTIONS

- STEP #1 - Take emissions readings on engine before starting installation.
- STEP #2 - Record initial readings.
- STEP #3 - Place two marks (7 inches apart) on main fuel line between fuel tank and fuel pump or two marks between fuel pump and carburetor (or fuel distributor or fuel injector rail).
- STEP #4 - Using hydraulic fittings, secure fuel stabilizer (weight - 2.7 lbs) to fuel line ensuring fuel stabilizer is rattle free! Be aware that fuel stabilizer has one side marked **IN** and one side marked **OUT**. It must be installed on fuel line according to the fuel flow from the fuel tank (in side) towards the engine (out side).
- STEP #5 - Ground or earth fuel stabilizer to chassis of vehicle with at least 12 gauge wire.
- STEP #6 - **CAUTION!** Make sure there are **NO** fuel leaks! (This can be dangerous as well as cause performance problems.)
- STEP #7 - Take emissions readings on engine after testing period is complete
- STEP #8 - Record final readings.